

ABSTRACT OF THE DISCLOSURE

A data traffic is monitored, and the current traffic state is checked. If the traffic exceeds a threshold a, the time interval of Inquiry Scan is set to a maximum value X1 to prevent communication performance from deteriorating due to Inquiry Scan. Likewise, if the traffic falls in the range of the threshold a to a threshold b, the time interval of Inquiry Scan is set to an intermediate value X2. If the traffic amount is equal to or less than the threshold b, the time interval of Inquiry Scan is set to a minimum value X3.